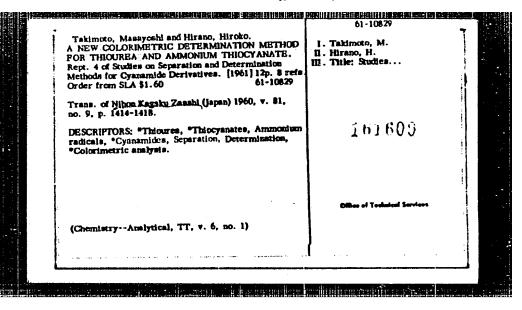
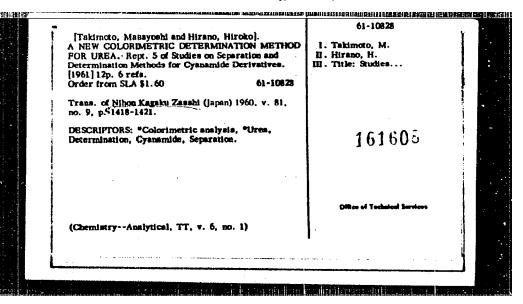
JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXXI, 1960, pp 1266-1271. 92/3653- Perf on ALCA AEC -SCL-7-497

Sci - Net-Mat

May=63

APPROVED FOR RELEASE: Tuesday, June 04, 2002





Agency: Bureau of Mines

July 8, 1971 R-13471-18

P.O. No. P3120061

Title: Inductive effect of polar substituents on carbonhydrogen stretching vibrations of aliphatic hydrocarbons.

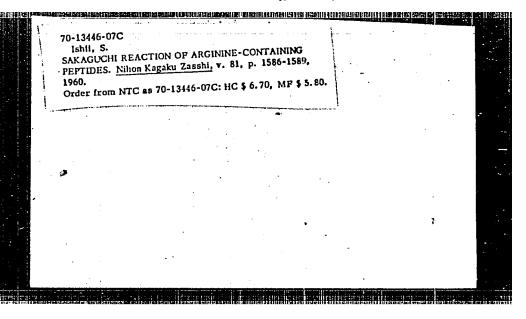
Authors: Rempei Gotoh and Tohru Takenaka.

Source: Nippon Kagaku Zasshi, v. 81, no. 10, 1960, pp.

1504-9.

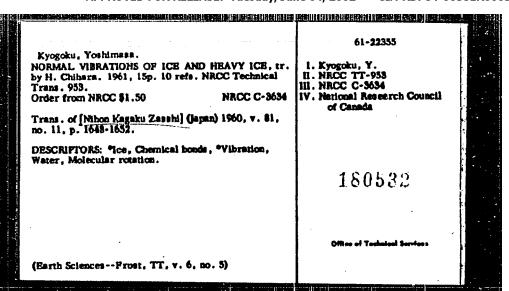
Language: Japanese

Instructions: Please translate.

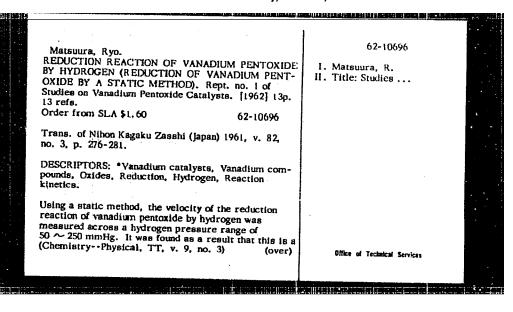


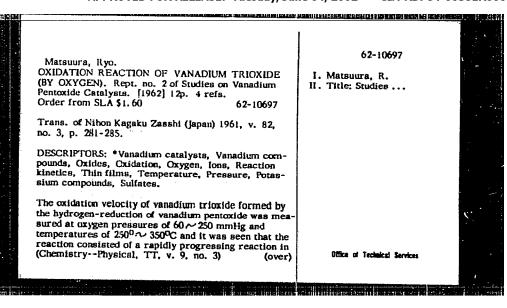
APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RDP8

62-10625 Yuasa, Toshimi. GAS IONS, FOR EXAMPLE, OF SEMICONDUCTORS, SEMIMETALS AND METALS. Pt. 1 of A Research on Gas Ions by a Quantum Analizer. [1961] [6]p. 1. Title: Semimetals II. Yuasa, T. II. Title: Research. . . Order from SLA \$1.10 Trans. of [Nibon Magaku Zasahi] (Japan) 1960, v. 81, p. 1643-1645. DESCRIPTORS: *Gases, *lons, *lon sources, Semi-conductors, Metals, Electrodes, Atoms, Molecules, Polymers, Spectrographic analysis. A Mattauch type double focussing quantum analizer was used. Some poly-atomic molecular ions were produced by high frequency sparks between the two specimen. electrodes which were made of the object elements. Semiconductors such as carbon, silicon, germanium, selenium and tellurium and semimetals such as anti-(Chemistry--Analytical, TT, v. 7, no. 12) (ove-(OVET) Office of Technical Services



APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA



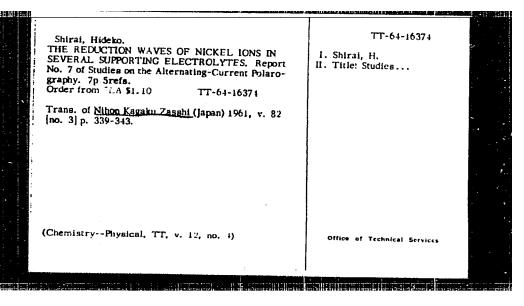


Seiyama, Tetsuro, Suenaga, Akio, and Sakai, Wataru. THERMODYNAMIC CONSIDERATIONS ON THE CAT-ALYTIC OXIDATION REACTIONS OF CARBON MON-OXIDE AND SULFUR DIOXIDE. [1962] 20p. 13 refs. Order from SLA \$1.60 62-14964

Trans. of Nihon Kagaku Zasshi (Japan) 1961, v. 82, no. 3, p. 292-298.

DESCRIPTORS: "Carbon compounds, "Monoxides, "Sulfur compounds, "Dioxides, Oxidation, "Catalysts, "Semiconductors, "Thermodynamics, Reaction kinetics.

With respect to the oxidation reaction of carbon monoxide, the order of activities of various types of oxide catalysts was evaluated from the thermodynamic preperties of the catalysts. Similar considerations were made on the oxidation of sulfur dioxide, but in this instance, simple application of the thermodynamic values of the oxide catalysts did not agree with the actual state (Chemistry--Physical, TT, v. 9, no. 5) (over)



APPROVED FOR RELEASE: Tuesday, June 04, 2002 CI

Condensation Products of Furfuryl Alcohol (VII)¹
-- Infrared Absorption Spectra of Furan Derivatives, by K. Takano.

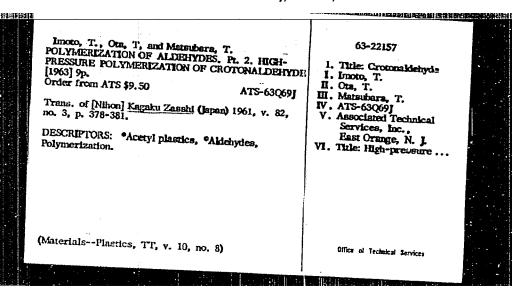
JAPANISE, por. <u>Rippon Kapaku Zasahi</u>, No 82, 1961, pp 373-376.

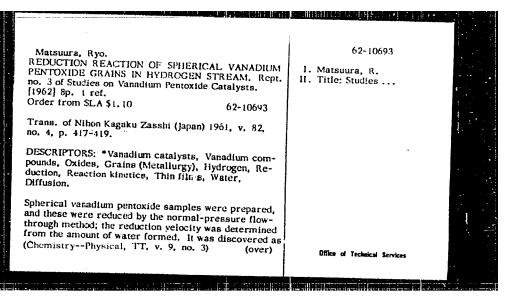
P911017868

AEC-IA-Tr-67-107

Sci-Chem

349,340





APPROVED FOR RELEASE: Tuesday, June 04, 2002

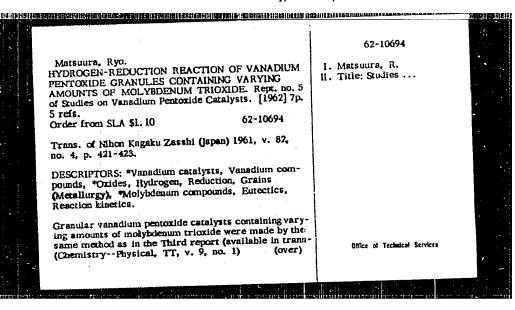
Matsuura, Ryo.
CHANGE IN SURFACE AREA OF GRANULAR VANADIUM PENTOXIDE BY HYDROGEN-REDUCTION, AND
MICROSCOPIC OBSERVATION OF THE REDUCTION
PROCESS, Rept. no. 4 of Studies on Vanadium Pentoxide Catalysts. [1962] 6p. 1 ref.
Order from SLA \$1.10 62-10692

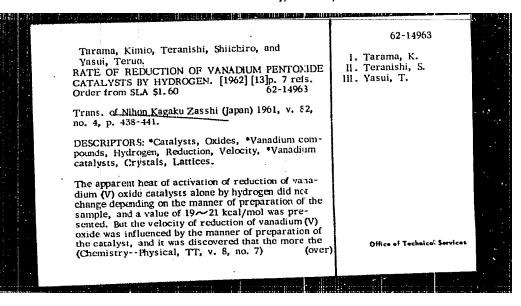
Trans. of Nihon Kagaku Zasshi (Japan) 1961, v. 82,
no. 4, p. 419-421.

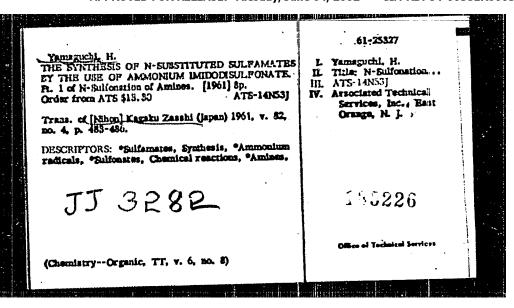
DESCRIPTORS: *Vanadium catalysts, Vanadium compounds, Oxides, Hydrogen, Reduction, Grains (Metallurgy), Surface area, Microstructure.

Using the granular vanadium pentoxide described in the
Third report as the sample (See 62-10693), its surface
area changes during hydrogen-reduction were traced by
the BET method; and from the relationship between the
(Chemistry--Physical, TT, v. 9, no. 3) (over)

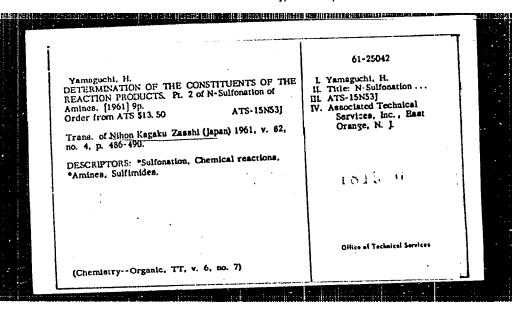
Office of Techsical Services







APPROVED FOR RELEASE: Tuesday, June 04, 2002

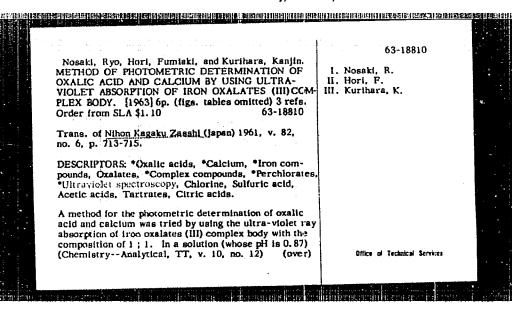


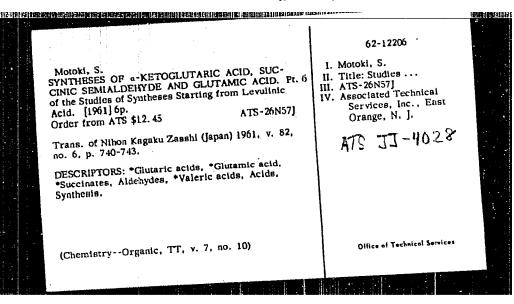
Shimura, Hiroshi.
STUDIES ON O-NITROSOPHENOLS AND THEIR
METAL COMPLEXES. REPT. 3. POLAROGRAPHY,
ABSORPTION SPECTROSCOPY AND STABILITIES OISUBSTITUTED O-NITROSOPHENOLS AND THEIR
METAL COMPLEXES. 9p 14refs.
Order from SLA \$1.10 TT-64-16373

Trans. of [Nihon Kagaku Zasshi] (Japan) 1961, v. 82
[no. 6] p. 641-644.

(Chemistry--Organic, TT, v. 12, no. 4)

Office of Technical Services

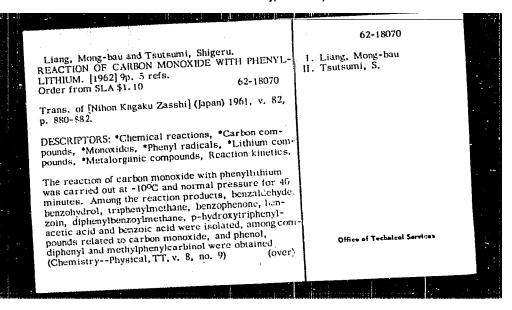


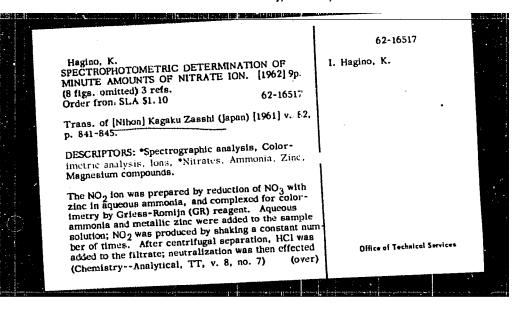


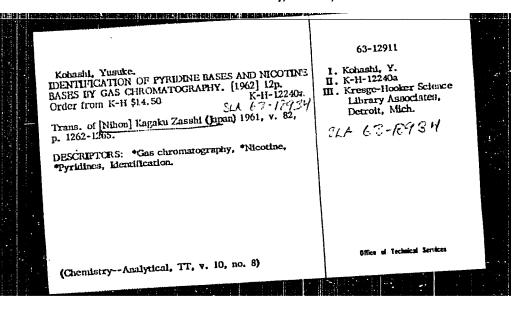
APPROVED FOR RELEASE: Tuesday, June 04, 2002

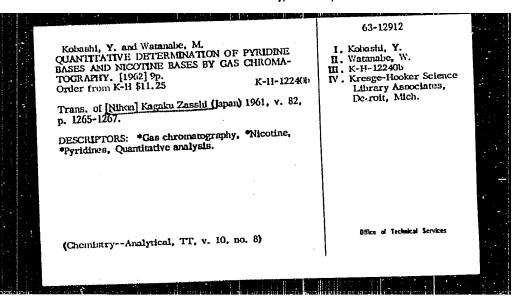
APPROVED FOR RELEASE: Tuesday, June 04, 2002

CIA-RDP84-00581R000301080046-6

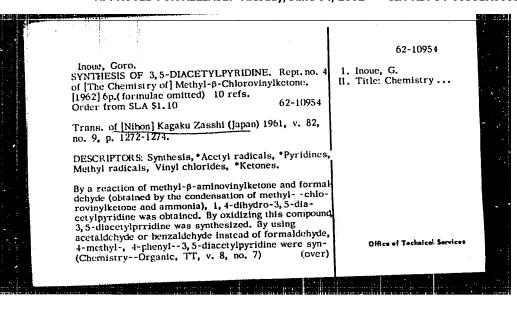








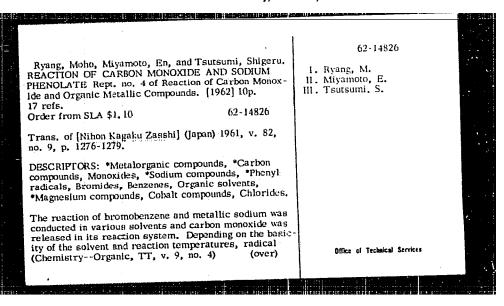
APPROVED FOR RELEASE: Tuesday, June 04, 2002



APPROVED FOR RELEASE: Tuesday, June 04, 2002

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CI

CIA-RDP84-00581R000301080046-6



Okuda, Michio.
ULTRAVIOLET ARSORPTION SPECTRUM OF PYRIDINE ADSORBED CONTO THE SURFACE OF SILICA GEL. Rept. no. 4 of Spectroscopic Studies on Adsorption. [1962] 12p. 12 refs.
Corder from SLA \$1.60 62-18035

Trans. of Nihoa Engaku Zasehi (Japan) 1961, v. 82, no. 16, p. 1257-1190.

DESCRIPTORS: "Pyridines, Molecules, "Ultraviolet spectroscopy, Adsorption, Silica, "Gela, Surface properties, "Prass studies, Vapors, Liquids.

The chravioles at exprise spectra of pyridine adsorped from vapor-phase and from liquid-phase onto silica gel, were measured. The adsorption table antibol whereby the sample was blended with liquid paraffanction (Chemistry--Physical, TT, v. 8, no. 10) (over)

Hydrogenation of Carbon Monoxide in the Presence of Borides of Mickel, Cobalt, and Iron, by Hidenoka Kurita, Yahbun Tautsumi.

TERMS AND CONTRACTOR OF THE PROPERTY OF THE PR

JAPANERE, per, Hippon Kagalon Zasabi, Vol IXIXII, Bo 11, 1961, pp 1461-1463.

Dept of Interior THY E57 No 446

Sci - Min Mat/Medit

Jul 63

238,221

Total Mercury Content in Sea Heter, by Kyoichi Hoschara, Hiroube Kozuma, 6 pp. JAPANESE, per, Journal of the Chemical Society of Japan, Pure Chemistry Section, Vol IXXXII, No 11, 1961, pp 1479-1480. 9069379 AEC 12-5467 360 Soi - Chem Dec 62

APPROVED FOR RELEASE: Tuesday, June 04, 2002

Determination of Assenic and Antimony in Madeorites by Neutron Activation, by Hiroshi Hamaguchi; Tophio Makai, et al, 13 pp.

JAPANESE, per, Whihon Kagaku Zesshi, Vol LXXXII, No 11, 1961, pp 1485-1489. 9208804

AEC-119-12-1015

Set - Buel Sei

Jul. 63

235,673

Higuchi, Izumi, Ushigi, Yataroo, and Suzuki, Reiko, SORPTION AND DESORPTION EQUILIBRIUM OF VAPORS ON PORCUS VYCOR GLASS, [1963] [22p] (foreign text included) 13refs
Order from SLA \$2.60

Trans. of Nibon Kagaku Zasshi (japan) 1961, v. 82, no. 12, p. 1520-1521. (Abstract available)

DESCRIPTORS: *Glass, Porosity, *Vapors, Sorptios, Silicon compounds, Dioxides, Structural properties, Chemical equilibrium, Hysteresis.

Isothermal sorption and desorption curves were measured (plotted) for benzens, methanol and water at 0° C and for caygen at -192° C on porous Vycor glass. The theoretical isothermal curves for capillary condensation on the sorbent, which is composed of densely packed spheres of equal radius, were found to (Materials—Ceramics, TT, v. 11, no. 4)

Office of Technical Services

Kawano, Kentaro and Odo, Keijiro.

SYNTHESIS OF GUANYL-o-ALKYLISOUREA SALTS
AND THEIR REACTIONS. Rept. no. 1 on Guanyl-oalkylisoureas. [1962] 15p. 7 refs.

Order from SLA \$1.60 62-18027

Trans. of Nihon Kagaku Zasshi (Japan) 1961, v. 82,
no. 12, p. 1672-1675.

DESCRIPTORS: Synthesis (Chemistry), "Guanddines,
"Urethanes, "Alkyl radicals, "Chlorides, Cyanamides,
Urea, Hydrochloric acid, Alcohols, Addition reactions.

Guanyl-d-alkylisourea hydrochlorides (R, CH3 and
C2H5) were newly synthesized by addition reaction of
dicyandiamide and alcohol in the presence of dry hydrochloric scid at relon temperature. When conducted at
a relatively high temperature in the presence of a concentrated acid, this reaction proceeded further and
guanylurea hydrochloride and [the corresponding] alkyl
(Chemistry--Organic, TT, v. 10, no. 6) (over.)

APPROVED FOR RELEASE: Tuesday, June 04, 2002 C

Takimoto, Massyoshi.
APFINITY OF CYANAMIDE DERIVATIVES FOR IONEXCHANGE RESINS. [1962] 15p, 12 refs.
Order from SLA \$1.60 62-14952

Trans. of Nihon Kagaku Zasshi (Japan) 1961, v. 82, no. 12, p. 1702-1708.

DESCRIPTORS: *Cyanamides, Molecular structure, Chromatographic analysis, *Ion exchange resins.

The strength of affinity of a total of about thirty compounds, of cyanamide derivatives and resembling compounds, toward cation—and anion-exchange resins was measured by chromatography, and the relationship between this and the chemical structure and dissociation constant was studied. It was found as a result that the tendency of affinity of the respective compounds toward ion-exchange resins was more or less regular, based on the affinity of their constituent radicals; that the affinity. (Chemistry—Analytical, TT, v. 9, no. 4) (over)

62-14962

I. Taklmoto, M.

Office of Technical Services

J-1228/62

Change Transfer Absorption Bands of Molecular Complexes of Chloronail With Naphthlene, Phenanthrene and Anthracene Derivatives, by Kuboyama Akira, 2009.

JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXXIII, No 4, 1962, pp 17-21.

*JPRS/DC-8140

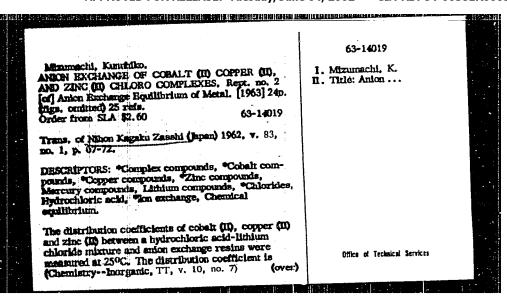
Sci - Chem

Oct 62

कुट्ट के राज्य के प्रतिस्थान का किस सम्बद्ध समित के विकास समित के किस समित के किस समित के किस समित के किस समित इस स्थापन

63-14017 Mizumachi, Kunihiko.
ANION EXCHANGE OF THE MERCURY (II) CHLORO COMPLEX. Rept. no. 1 [of] Anion Exchange Equilibrium of Metal. [1953] 27p. (figs. omitte) 41 refs.
Order from SLA \$2,60 I. Mizumachi, K. II. Title: Anion... Trans. of Nihon Kagaku Zasshi (Japan) 1962, v. 83, no. 1, p. 61-67. DESCRIPTORS: "Complex compounds, "Mercury compounds, Lithium compounds, Chlorides, Hydrochloric acid, "Ion exchange, Chemical equilibrium, Methyl radicals, Butyl radicals, Ketones. Exchange equilibria of various metal anions in a mixture of hydrochloric acid-lithium chloride solutions were measured at 25°C. Equations were derived for calculating the anion exchange equilibrium constants, various equilibrium constants in the solution, and ratios (Chemistry--Inorganic, TT, v. 10, no. 7) (over)

Office of Technical Services



Mizumachi, Kusihiko.
ANION EXCHANGE OF THE CHLORO COMPLEX
IONS OF TELLURIUM (IV). Rept. no. 3 [cf] Anion
Exchange Equilibrium of Metal. [1963] 16p. (figs.
omitted) 11 refs.
Order from SLA \$1,60 63-14018

Trana. of Nibon Kasahu Zasahi (Japan) 1962, v. 83,
no. 1, p. 75-76.

DHSCRETORS: *Complex compounds, Tailurium
compounds, Lithium compounds, Chlorides, Hydrochloric acid, *Icn enchangs, Chemical equilibrium,
Acid-base equilibrium.

The distribution coefficient of sellurium (IV) from a hydrochloric acid-lithium chloride minure with sains exchange reains was measured at 25°C. The distribution coefficient has a larger value generally when the (Chemistry--Inorganic, TT, v. 10, no. 7) (over)

63-14012

I. Mizumachi, K. II. Title: Anion...

CORNER OF Technical Services

APPROVED FOR RELEASE: Tuesday, June 04, 2002

CIA-RDP84-00581R000301080046-6

Optical Division of Dl Glutanic Acid and its Derivatives and Its Salts in Accordance with the Inoculation Method. Report No 1. The Racemic Bodies of DL-Glutanic Acid and its Salts and Division by the Inoculation Method, by T. Akashi.

JAPANESE, per, Nihon Kagaku Zasshi, Vol 83, No 4, 1962, pp 117-421.
SIA TT-66-10199

Sci-Chem Aug 66

308,788

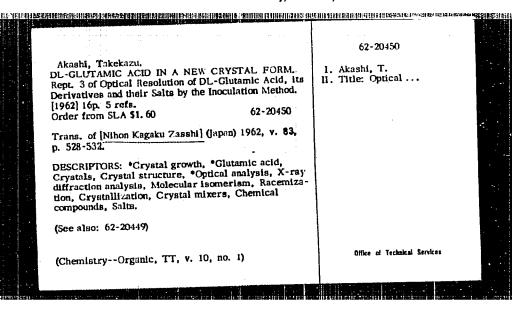
Optical Division of Dl Glutamic Acid and its Derivatives and its Salts in Accordance with thethe Inoculation Method. Report 2. Division of DL-Glutamic Acid Hydrate by Inoculation Method, by T. Akashi.

JAPANERE, per, Nihon Kagaku Zasshi, Vol 83, No 4, 1962, pp 421-425.

SIA TT-66-10200

Sci-Chem Aug 66

308,782



Akashi, Takekazu.

OPTICAL RESOLUTION OF DL-GLUTAMIC ACID, ITS DERIVATIVES AND THEIR SALTS BY THE INOCULATION METHOD, IV. [1962] 17p. 5 refs.

Order from SLA \$1.60 62-20449

Trans. of [Nihon Kagaku Zasshi] (Japan) 1962, v. 38, p. 532-536.

DESCRIPTORS: *Optical analysis, *Glutamic acid, Chemical compounds, Salts, Solubility, Molecular isomerism, Racemization, Crystal mixers, Crystal structures, *Crystal growth.

The solubilities of active isomers and racemic mixtures of pyroglutamic acid and its salts, N-acetylglutamic acid and glutamic acid and its salts, N-acetylglutamic acid and glutamic acid were measured in order to ascertain the composition of the racemic acids. At the (Chemistry--Organic, TT, v. 10, no. 1) (over)

Office of Technical Services

The Relationship Bouteen the Crystal Structure of Various Carboss of Thrium, Uranium and Rare Earth Elements and the Products Cotained When These Carbidos Are Hydrolysed, by I. Kenne, S. Kechi, 10 pp.

JAPAHHEE, mer, Hippon Kageku Zasshi, Vol LXXXIII, 1962, pp 565-569.

AEC-MI-tr-1067(Draft)

Soi-Mit & Het Jan 64

Depl. J. 2000 THT E57 No 154 248, 329

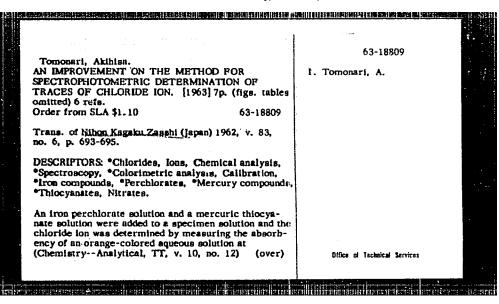
Iwanami, Yasuo.
REACTION OF DIRTHYL ACETYLENEDICARBOXYLATE WITH 2, 3- AND 1,8- NAPHTHYLENEDIAMINE.
Rept. 10 of Reactions of Acetylene Carboxylates with
Amines. [1962] 11p. 23 refs.
Order from SLA \$1.60 63-10915

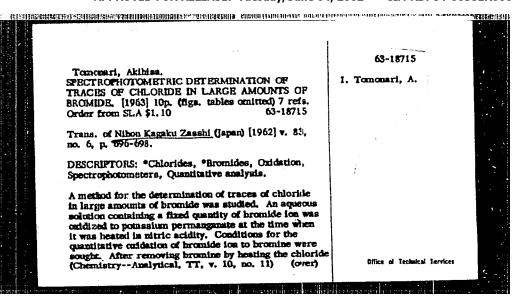
Trans. of Nihon Kagaku Zasshi (Japan) 1962, v. 83,
no. 5, p. 597-600.

DESCRIPTORS: *Ethyl radicals, *Acetylenes, Carboxylic acids, *Esters, *Naphthalenes, *Amines,
Chemical reactions, Infrared spectroscopy

(Chemistry--Organic, TT, v. 10. no. 1)

Office of Technical Services





APPROVED FOR RELEASE: Tuesday, June 04, 2002

CIA-RDP84-00581R000301080046-6

Katsumura, Tatsuo.

OPPENAUER OXIDATION OF ALCOHOLS, USING DIBUTYLDIISOPROPOXYTIN. [Rept.] 3 of Studies on Organotkin Compounds. 1962 [9]p. 17 refs.

Order from SLA \$1.10 62-18827

Trans. of Nihon Kagaku Zasshi (Japan) 1962, v. 83 [no. 6] p. 729-731.

DESCRIPTORS: *Metalorganic compounds, *Tin compounds, *Alcohols, Benzyl radicals, Furfuryl alcohols, Cholesterol, *Oxidation, Ketones, Alkoxy radicals,

It has been found that primary alcohols such as benzyl alcohol and anisyl alcohol undergo Oppenauer oxidation in the presence of dibutyldisopropoxytin (I) and p-benzoquinone, forming aldehydes or ketones, and that xanthohydrol undergoes the same reaction in the presence of compound I and cyclohexanone. The formation (Chemistry--Organic, TT, v, 9, no. 11) (over)

62-18827

- i. Title: Oppenauer reaction
- I. Katsumura, T.
- II. Title: Studies ...

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, June 04, 2002 CIA-RI

CIA-RDP84-00581R000301080046-6

Vibrational Spectra of Ethyl Alcohol and its Deuterium Analogue CH₂CH₂OD, by C. Tanaka. JAPANESE, per, <u>Hihom Kagaku Zasahi</u>, Vol 83, No 7, 1962, pp 792-798.
NLL Ref: 8732 (1307)

Sci-Chem Jan 69

373,611

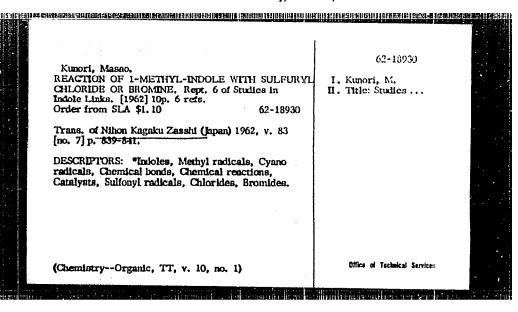
Kunori, Masao
REACTION OF 1-METHYL INDOLE WITH BROMINE. Report 5 of Studies in Indole Links. [1962] I.*p.
13 refs.
Order from SLA \$1.60
63-10321

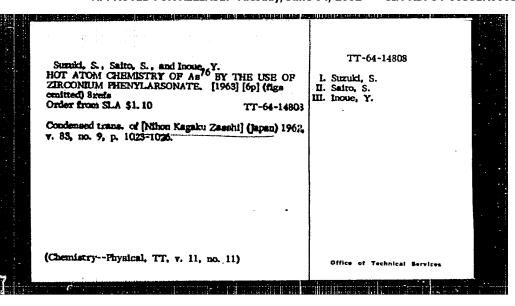
Treas. of [Nihon] Kagaku Zasshi (Japan) 1962, v. 8%, p. 836-838.

DESCRIPTORS: Chemical reactions, *Indoles, *Methyl radicals, *Bromine, Catalysts, Reduction, Absorption spectrum, Synthesis (Chemistry), Complex compounds.

(Chemistry--Organic, TT, v. 9, no. 10)

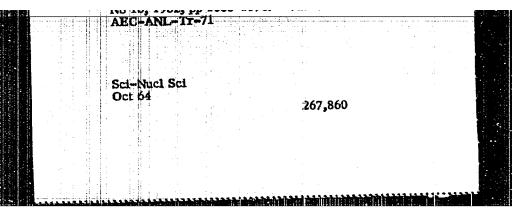
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APPROVED FOR RELEASE: Tuesday, June 04, 2002

CIA-RDP84-00581R000301080046-6



Suga, K. and Watmabe, S.
REACTION OF SOME ALIPHATIC UNSATURATED
HYDROCARBONS WITH FORMALDEHYDE, [1963] 241
Order from K-H \$24,00 K-H 12557 a

Trans. of Nihon Kagaku Zasshi (Japan) 1962, v. 83,
no. 10, p. 1142-1147.

Diescriptors: *Formaldehyde, *Aliphatic compounds,
Hydrocarbons, Chemical reactions.

(Chemistry--Organic; TT, v. 10, no. 10)

Office of Technical Services

Ourbon Black Suspended in a nonequous Macium, by T. Kobayashi.

JAFAHRSE, per, Niupon Kasaku Zaschi, Vol LXXXIII, No 10, 1962, ppl158-1159.

ATS JJ-3927

Dec 63

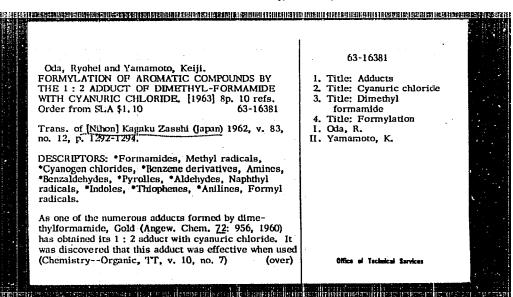
244,859

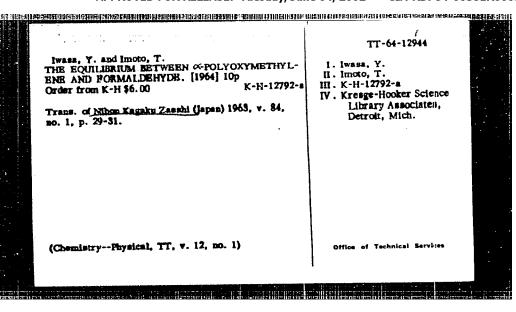
Neutron Shielding of Metals in Thermal Neutron Activation, by Y. Kamemoto, Y. Cnoda.

JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXXIII, 1962, pp 1164-1167.

*AEC

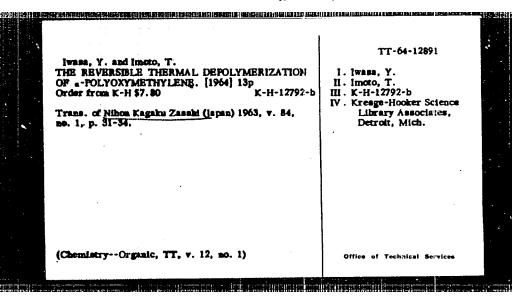
Sci - Nucl Sci Oct 63





APPROVED FOR RELEASE: Tuesday, June 04, 2002

CIA-RDP84-00581R000301080046-6



Murakamii, Masuo, Kang, Jeng W., Itatami, Hiroshi, Seso, Saburo, and Matzusato, Nariuki.

HOMOGENEOUS HYDROGENATION OF UNSATURATED LINKAGES IN ORGANIC COBALT (II OR III) COMPLEXES, [1963] 13p
Order from K-H \$13.00

K-H 12792 c

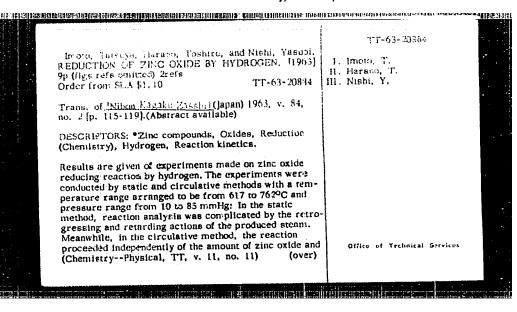
Trans. of Nihon Kngaku Zasshi (Japan) 1963, v. 84, p. 48-50.

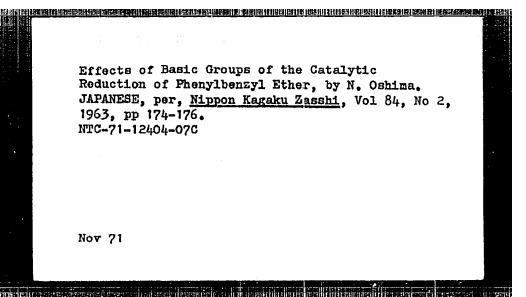
DESCRIPTORS: *Metalorganic compounds, Complex compounds, *Cohalt compounds, *Hydrogenation.

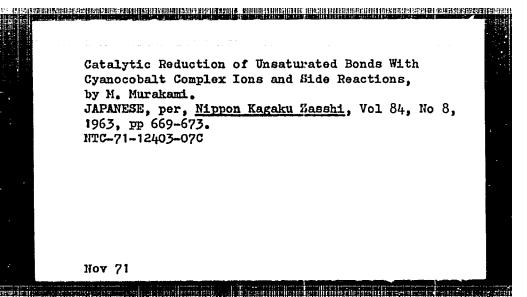
(Chemistry--Organic, TT, v. 10, no. 10)

APPROVED FOR RELEASE: Tuesday, June 04, 2002

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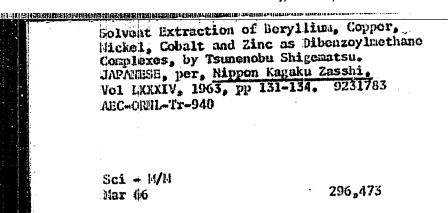


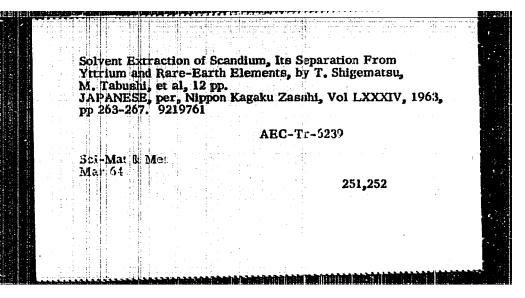


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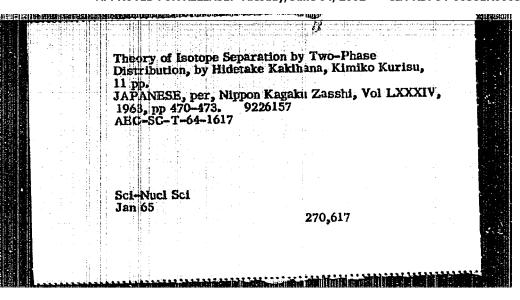
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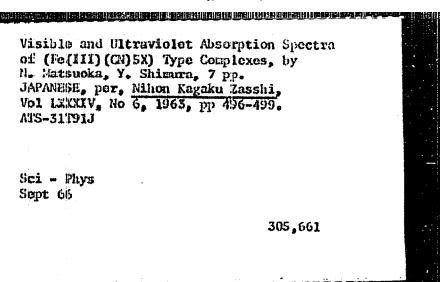
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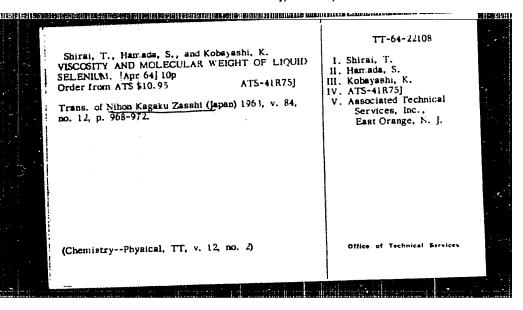


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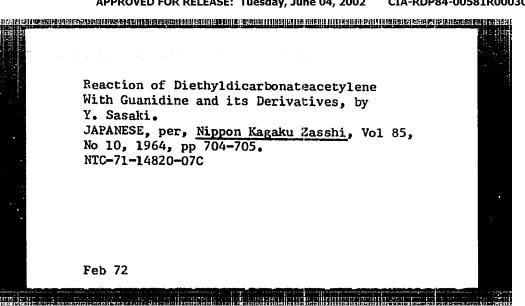
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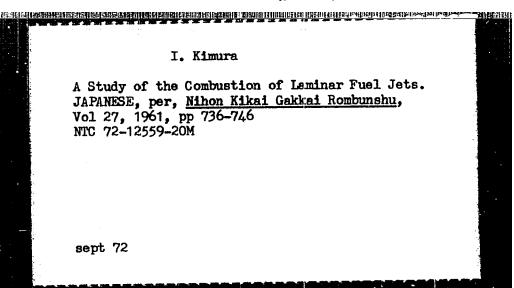
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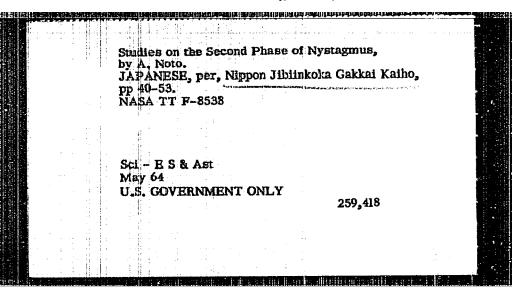
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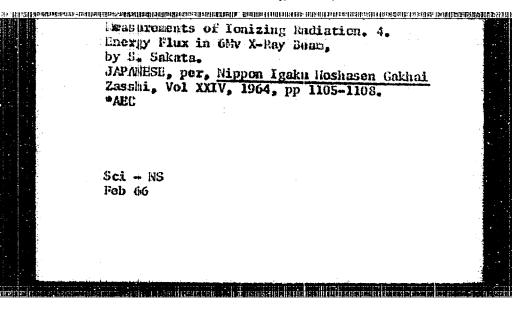
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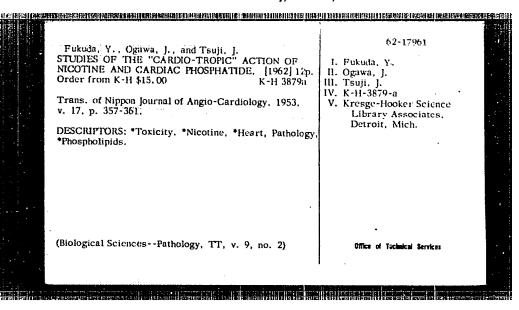
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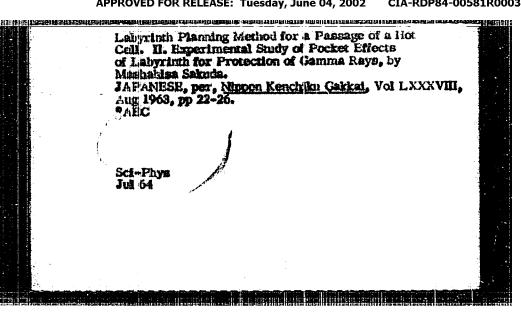
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